

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU03/00386

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. CL <sup>7</sup> : A61B 5/022, A61F 13/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
Refer electronic database consulted below		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
DWPI +keywords: artery, pressure skin and similar terms		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,269,312 A (KAWAMURA et al) 14 December 1993 Figure 1, Figure 2, column 6 line 27 to column 7 line 37	1-31
X	US 5,183,050 A (KAWAMURA) 2 February 1993 Figure 1	1-28
X	US 5,467,771 A (NARIMATSU et al) 21 November 1995 Abstract	1-28
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>		
Date of the actual completion of the international search 30 June 2003		Date of mailing of the international search report - 8 JUL 2003
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  JAGDISH BOKIL Telephone No : (02) 6283 2371

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00386

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,924,871 A (HONEYAGER) 15 May 1990 Figure 2	1-28
X	US 5,494,043 A (O'SULLIVAN et al) 27 February 1996 Figure 3	1-28
X	US 5,101,829 A (FUJIKAWA et al) 7 April 1992 Figure 2	1-28
X	US 4,947,855 A (YOKOE et al) 14 October 1990 Figure 1	1-28
A, P	EP 1222894 A2 (SENSIDYNE INC) 17 July 2002 Abstract	
A	WO 95/04511 A1 (SMITH) 16 February 1995 Abstract	

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00386

## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1-28

Claims 29-31

See supplemental box

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00386

**Supplemental Box**

(To be used when the space in any of Boxes I to VIII is not sufficient)

**Continuation of Box No: II**

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1-28 are directed to a device for transcutaneous pressure waveform sensing of an artery comprising a skin depressing means. It is considered that a device for transcutaneous pressure waveform sensing of an artery comprising a skin depressing means comprises a first "special technical feature".
2. Claims 29-31 are directed to a target apparatus for use with the transcutaneous pressure waveform sensing device in which the target mark comprises a second "special technical feature".

Since the abovementioned groups of claims do not share either of the special technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, *a priori*.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/00386

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5269312	JP	4301753	US	5267033	US	5506555
		JP	5052759	JP	4301757	JP	4302290
		JP	5090830	JP	4302399	JP	4302228
		JP	4194733	JP	4195499	JP	4194732
US	5183050	JP	4273457				
US	5467771	EP	649629	JP	7116136		
US	4924871	JP	2001223				
US	5494043	NONE					
US	5101829	JP	3207340				
US	4947855	NONE					
EP	1222894	AU	200210079	BR	200200058	CA	2366493
		JP	2002272707	US	2001029325	AU	200010929
		BR	9914423	CA	2346639	EP	1121049
		US	6144868	WO	200021433	US	6343224
		US	2003009092	US	6519487		
WO	9504511	AU	70099/94				
END OF ANNEX							